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on July 25, 2008

TOWNSEND and TOWNSEND and CREW LLP

By: 

Susan J. Johnson

PATENT  
Attorney Docket No.: 20174C-001140US  
Client Ref. No.: CIT 3153-CIP-C

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Stephen R. Quake et al.

Application No.: 10/801,361

Filed: March 15, 2004

For: INTEGRATED ACTIVE FLUX  
MICROFLUIDIC DEVICES AND  
METHODS

Customer No.: 20350

Confirmation No. 3231

Examiner: Brian J. Sines

Technology Center/Art Unit: 1797

Response to Restriction Requirement

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed February 25, 2008, please enter the following amendments and remarks. This response is accompanied by a request for extension of time for response.

**Remarks** begin on page 2 of this paper.